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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/790,834

03/03/2004

Toru Homma

04329.3257

2527

22852 7590 12/10/2008
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EXAMINER

LIU, LIN

ART UNIT

PAPER NUMBER

2445

MAIL DATE

DELIVERY MODE

12/10/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/790,834	Applicant(s) HOMMA, TORU	
	Examiner LIN LIU	Art Unit 2445	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 October 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 15-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 15-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This office action is responsive to communications filed on 10/02/2008.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 10/02/2008 has been entered.

Response to Amendment

3. Applicant amendment filed on 10/02/2008, has been received and considered, they are entered into the record.
4. Claims 15-19 are pending and have been examined. Claims 1-14 are cancelled.

Response to Arguments

5. Applicant's arguments with respect to claims 15-19 have been considered but are moot in view of the new ground(s) of rejection.

Claim Objections

6. Claim 19 recites the limitation "a computer-readable medium". There is insufficient antecedent basis for this limitation in the specification. Page 24, line 20 of

the specification recites “computer-readable storage medium”, for the purpose of examination, the examiner treats the term as such.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

8. Claims 15 and 17-19 are rejected under 35 U.S.C. 102(b) as being anticipated by **Sim et al (PGPUB: US 2002/0002035 A1)**.

With respect to **claim 15**, Sim teaches an electronic apparatus comprising:
a wireless communication device that executes wireless communication with an external device (Sim: fig. 2, and page 2, paragraph 32);
an input device (Sim: pages 2-3, paragraphs 33 & 38);
selecting means for selecting one of a first communication mode and a second communication mode in accordance with an operation of the input device (Sim: pages 2-3, paragraphs 33 & 38, noted the SCO link and ACL link); and
controlling means (Sim: page 3, paragraphs 38 & 41, user's selection) for controlling the wireless communication between the wireless communication device and the external device, the controlling means including:

first means for, when the first communication mode is selected, establishing one channel between the wireless communication device and the external device, setting a first communication condition for one-way communication in the apparatus and the external device, the first communication condition indicating that a first compression-encoding scheme is used in the one-way communication, compression-encoding content data by the first compression-encoding scheme, and executing the one-way communication to transmit the content data compression-encoded by the first compression-encoding scheme, from the wireless communication device to the external device via the one channel (Sim: fig. 3, page 3, paragraphs 35, 38 & 41-44, noted that upon user's selection of listening to a MP3 file, ACL connection is established for streaming the selected MP3 file from the baseband/master to the headset/slave, with the decoder 15 in decoding high speed data e.g.: music.); and

second means for, when the second communication mode is selected, establishing two independent channels between the wireless communication device and the external device, the two independent channels including a first channel for transmitting content data from the wireless communication device to the external device and a second channel for transmitting content data from the external device to the wireless communication device, setting a second communication condition for two-way communication in the apparatus and the external device, the second communication condition indicating that a second compression-encoding scheme is used in the two-way communication, compression-encoding content data by the second compression-encoding scheme, and executing the two-way communication to transmit the content

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data compression-encoded by the second compression-encoding scheme from the wireless communication device to the external device via the first channel and receive content data compression-encoded by the second compression-encoding scheme from the external device via the second channel (Sim: page 3, paragraphs 35 & 38, and page 4, paragraphs 48-50, noted that upon user's selection of receiving an incoming call, SCO connection is established in transmitting low speed voice data between the baseband/master and the headset/slave, with the decoder 12 in decoding low speed data), the second compression-encoding scheme requiring a lesser amount of arithmetic operations compared to the first compression-encoding scheme (Sim: page 3, paragraphs 35 & 38).

With respect to **claim 17**, Sim teaches the electronic apparatus according to claim 15, wherein the controlling means includes means for controlling communication between the wireless communication device and the external device such that content data sampled with a first sampling frequency is transmitted from the wireless communication device to the external device when the first communication mode is selected, and content data sampled with a second sampling frequency, which is lower than the first sampling frequency, is transmitted and received between the wireless communication device and the external device when the second communication mode is selected (Sim: page 3, paragraphs 35 & 38, and page 4, paragraphs 48-50).

With respect to **claim 18**, Sim teaches the electronic apparatus according to claim 15, wherein the external device is a headset including a speaker and a microphone (Sim: page 3, paragraph 35).

In regard to **claim 19**, the limitations of these claims are substantially the same as those in claim 15. Therefore the same rationale for rejecting claim 15 is used to reject claim 19. By this rationale **claim 19** is rejected.

Claim Rejections - 35 USC § 103

9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

10. Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over **Sim et al. (Publication no.: US 2002/0002035 A1)** in view of **Official Notice**.

With respect to **claim 16**, Sim teaches the electronic apparatus according to claim 15, further comprising:

a display device (Sim: page 3, paragraph 44); and

displaying means for displaying a first **selection** (Sim: page 3, paragraph 41) and a second **selection** (Sim: page 4, paragraphs 48) corresponding to the first communication mode and the second communication mode, respectively, on a display screen of the display device,

wherein the selecting means includes means for selecting the first communication mode when the first **selection** is selected by an operation of the input device, and selecting the second communication mode when the second **selection** is

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selected by an operation of the input device (Sim: page 3, paragraphs 35 & 38, and page 4, paragraphs 48-50).

Sim also teaches using buttons to initiate transmission of messages to the control unit in making selections of which type of data transmission to use (Sim: page 3, paragraphs 35, 38 and 44).

However, Sim does not explicitly teach a feature of displaying icons on a display screen and associating these icons with user's selections. Official Notice is taken that the feature of displaying icons and associating these icons with user's selections is well known in the art. Therefore, it would have been obvious to a person of ordinary skill in the art at the time of the invention to incorporate such features in order to provide a friendly and visually indication of user's selection.

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

- Kim (PGPUB: US 2002/0082057 A1) discloses a method for utilizing mobile communication terminal as wireless headset.
- Moore (Patent no.: US 7,295,809 B2) discloses a portable audio playback device with bass enhancement.
- Eghtesadi et al. (Patent no.: US 5,982,904) discloses a method of using wireless headset with a computing device.

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12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to LIN LIU whose telephone number is (571)270-1447.

The examiner can normally be reached on Monday - Friday, 7:30am - 5:00pm, EST.

13. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenton B. Burgess can be reached on (571)-272-3949. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

14. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/L.L./
Examiner, Art Unit 2445

/Patrice Winder/
Primary Examiner, Art Unit 2445